

FIG1
(PRIOR ART)

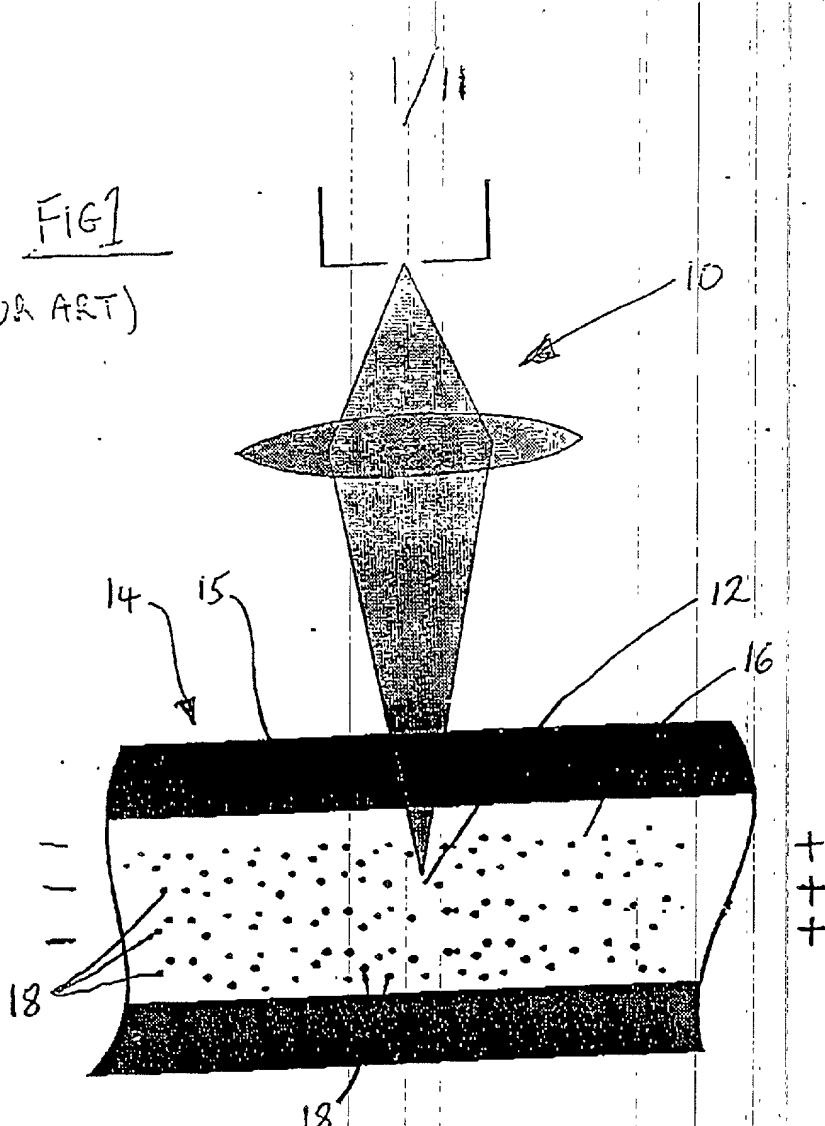
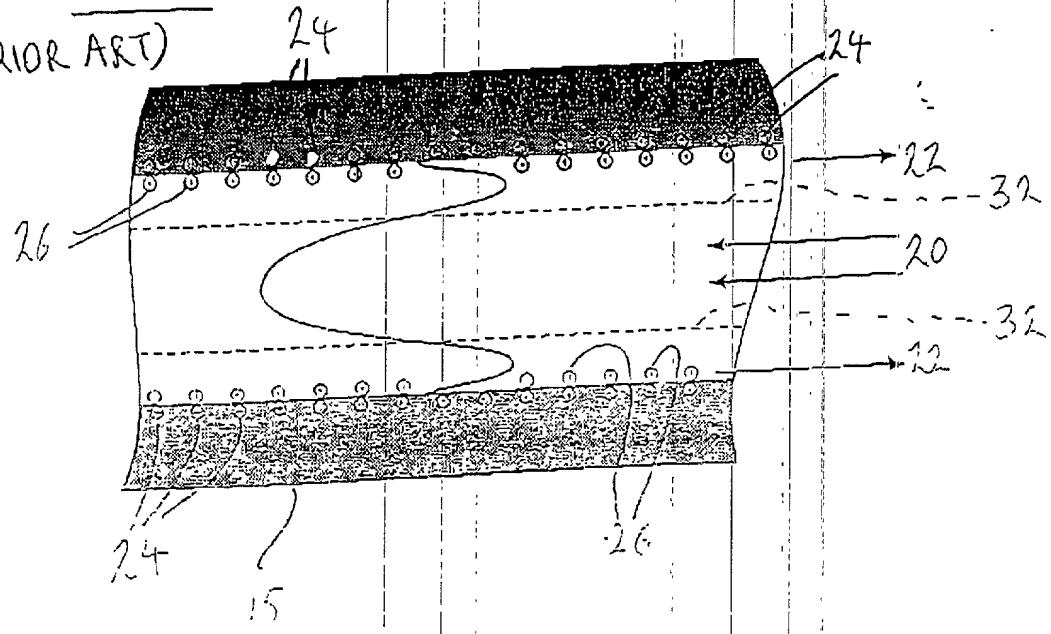
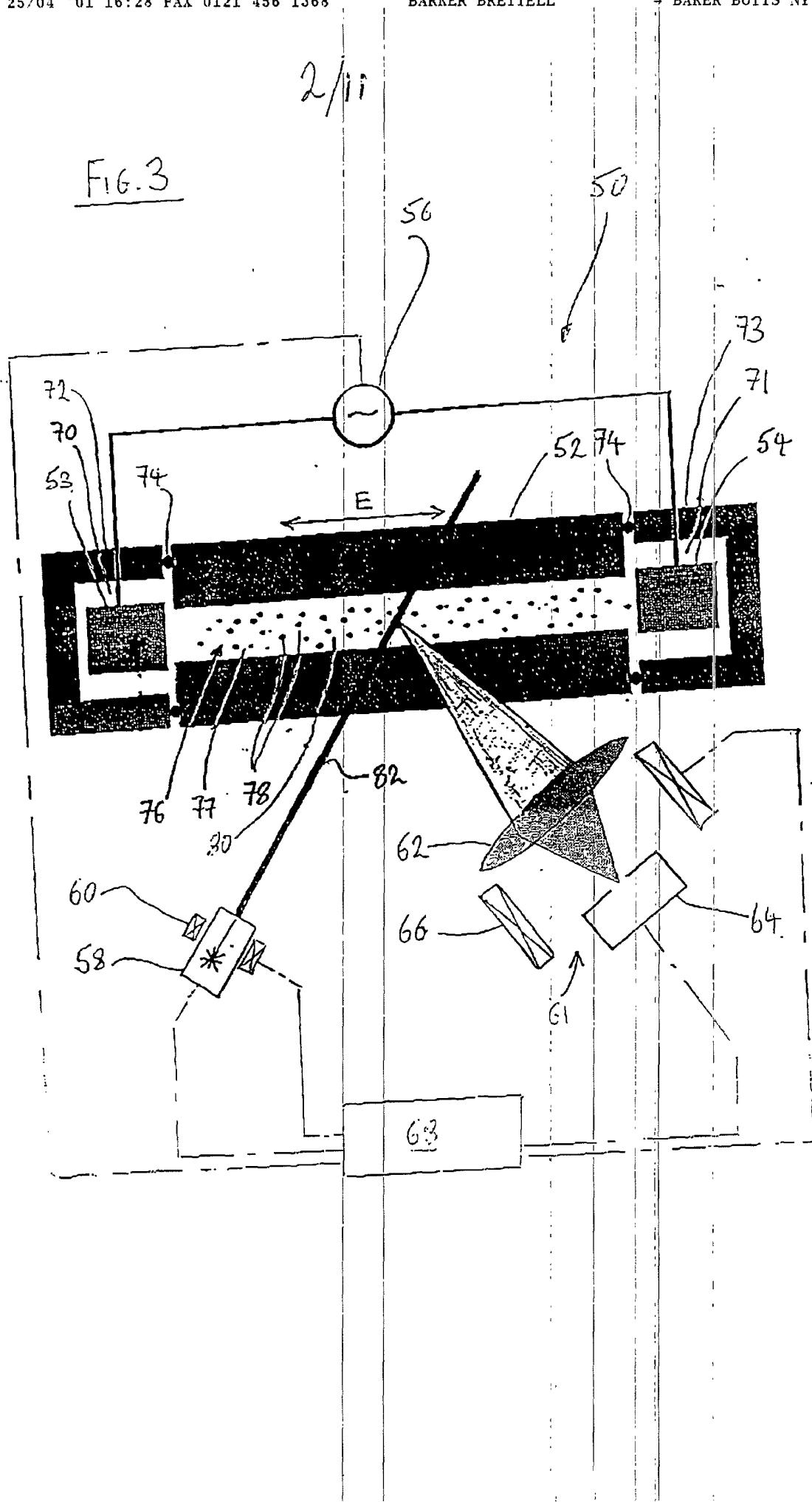


FIG2
(PRIOR ART)



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Fig. 3



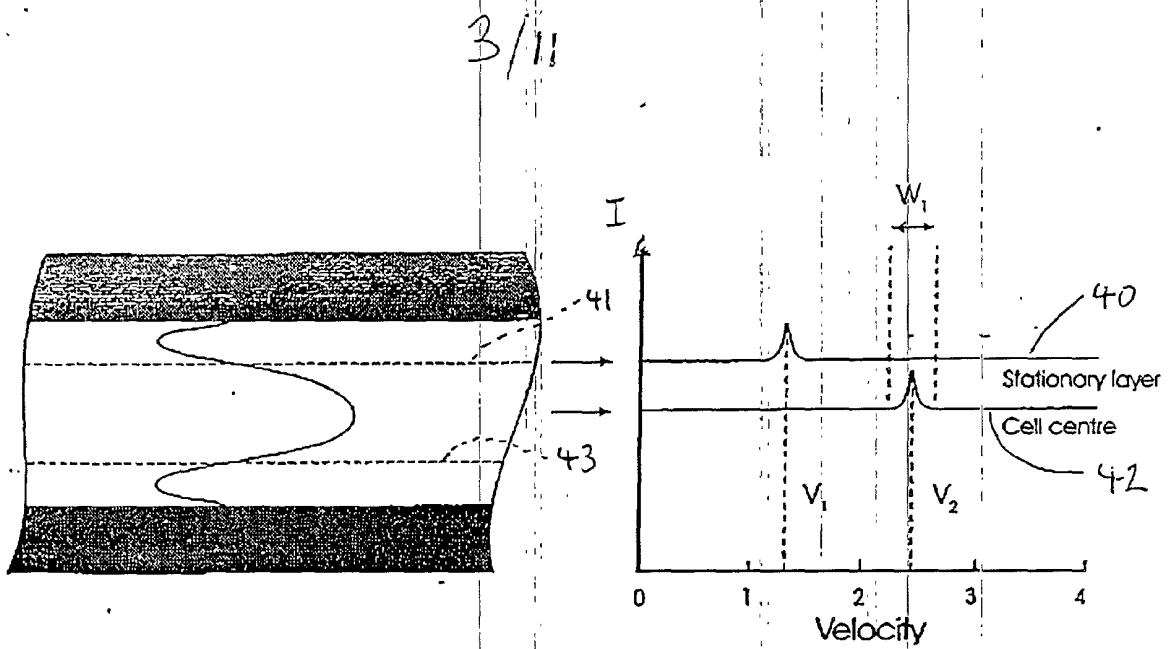


FIG. 4

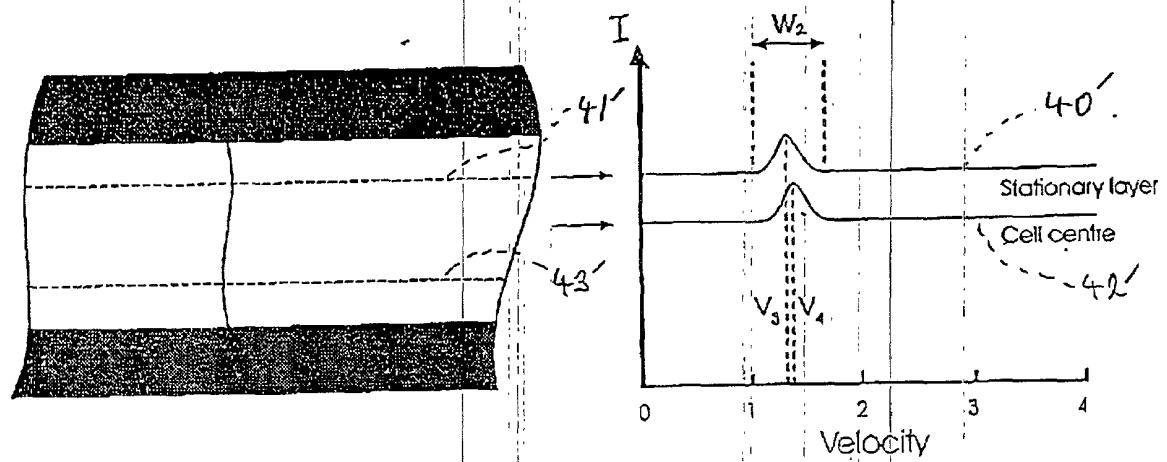
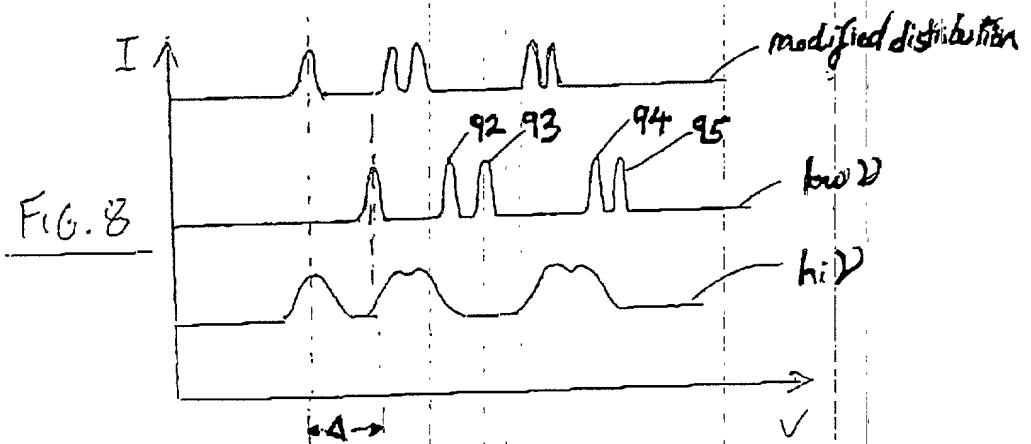
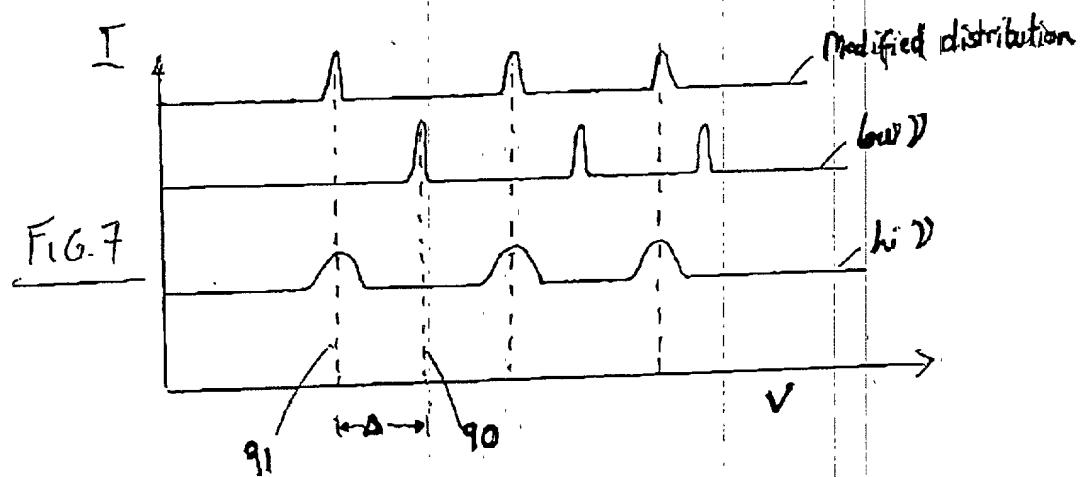
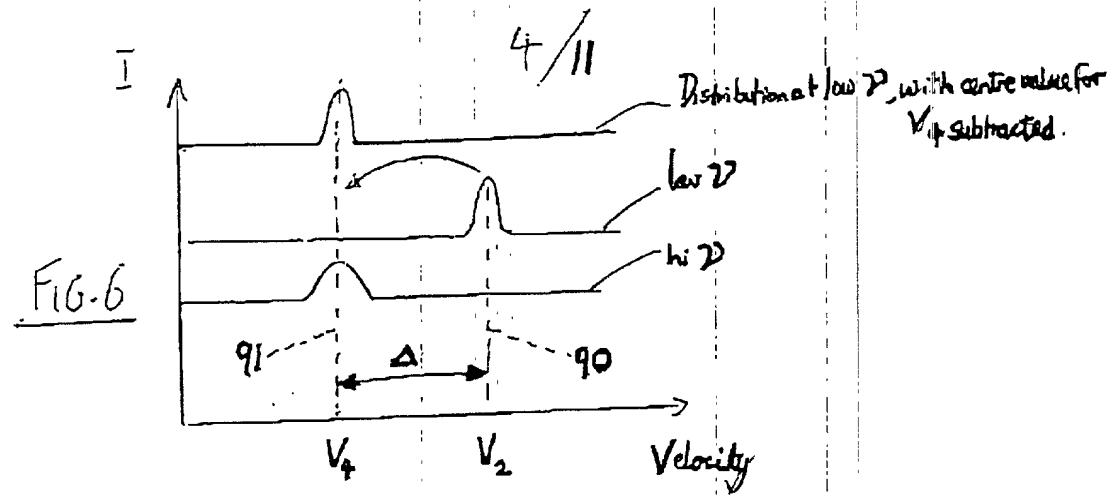


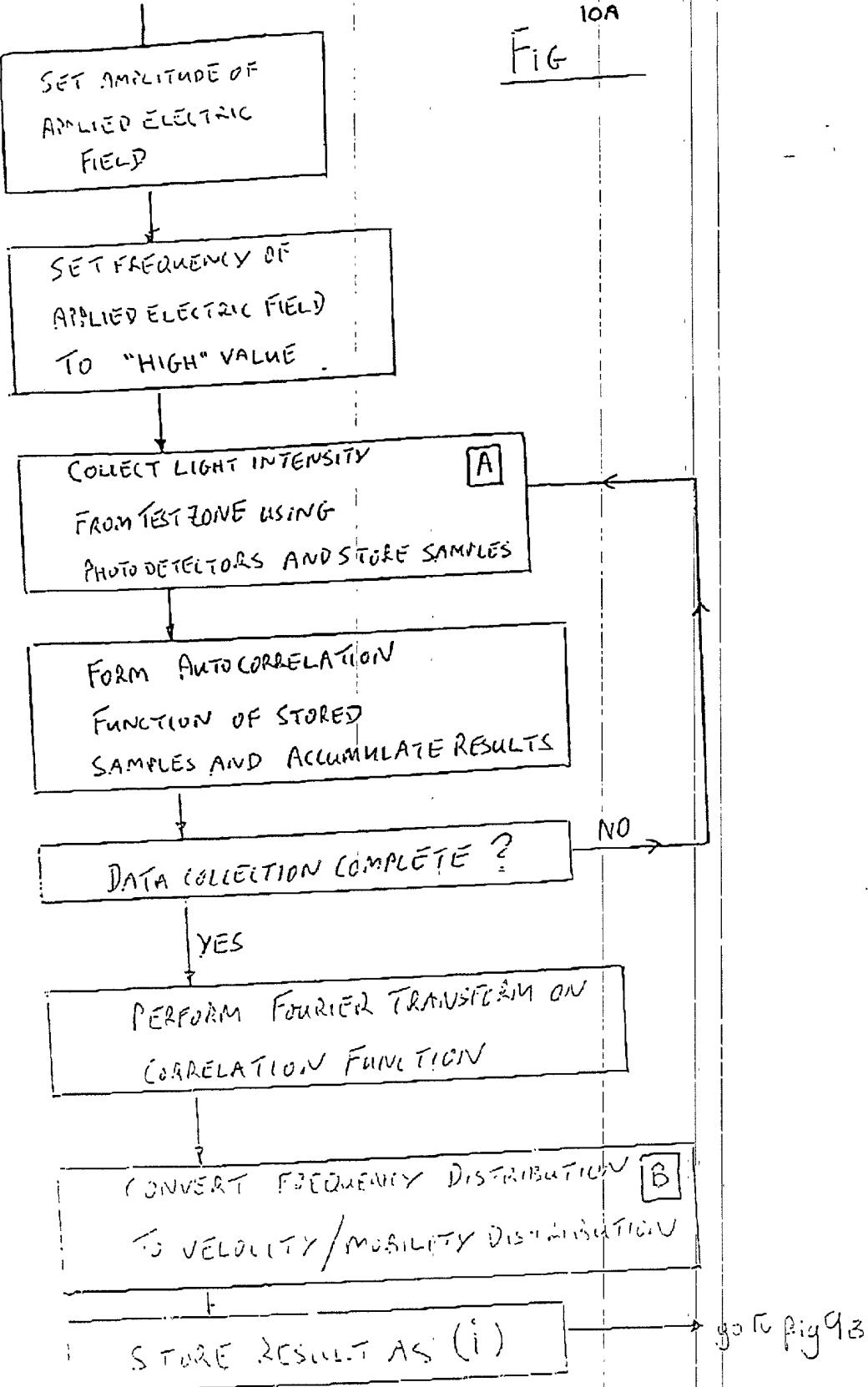
FIG. 5



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10A

Fig

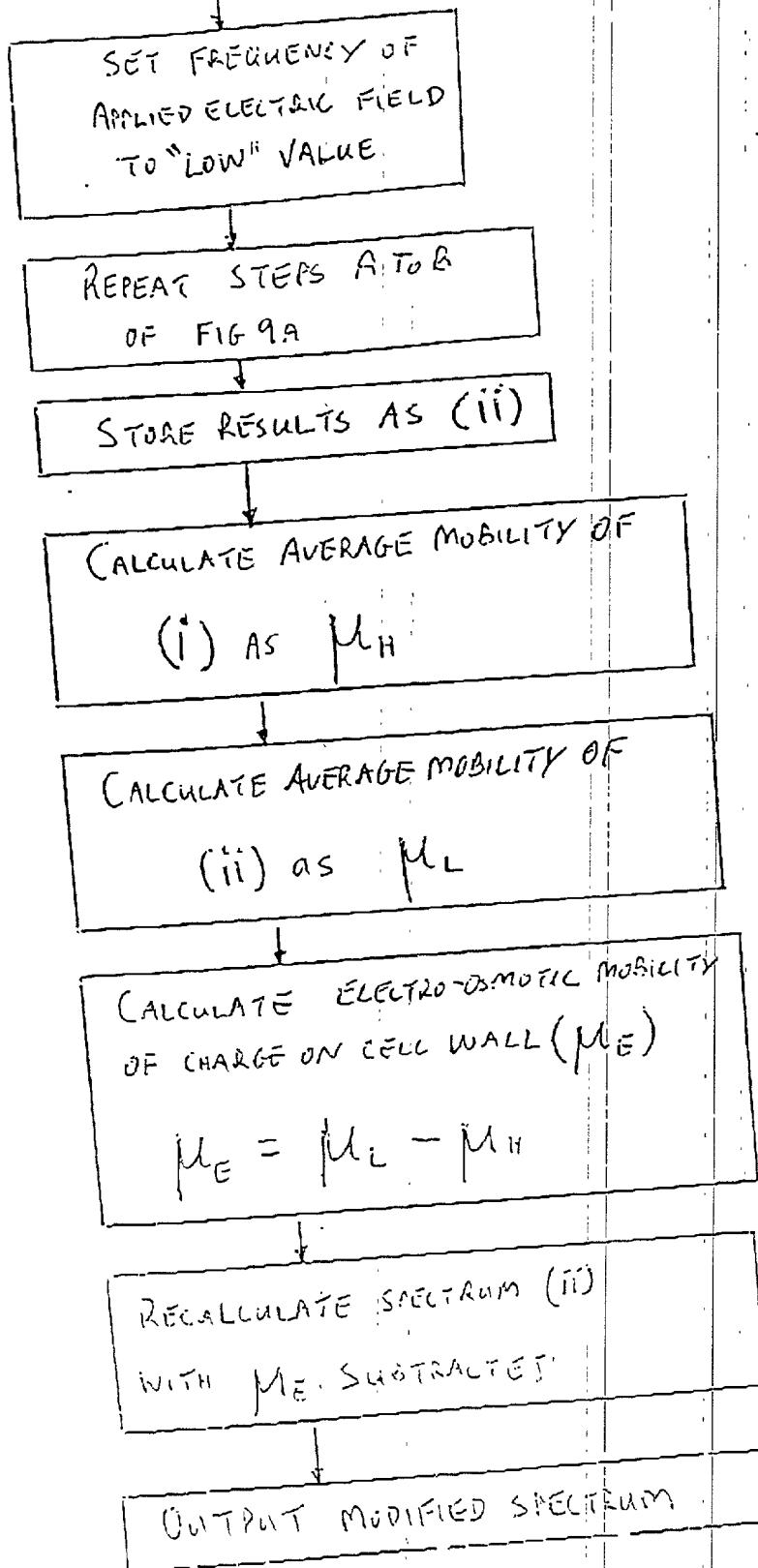


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10B

FIG

FROM FIG 9A



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FIGEQUATIONS

$$a) \text{ Mobility } \mu = \frac{\text{Velocity of Particle (V)}}{\text{Electric field (E)}}$$

$$b) \bar{\mu} = \frac{\int_{-\infty}^{+\infty} \mu f(\mu) d\mu}{\int_{-\infty}^{+\infty} f(\mu) d\mu}$$

where $f(\mu)$ = mobility spectra

$$c) \text{ electroosmotic mobility } \mu_E = \bar{\mu}_L - \bar{\mu}_H$$

where μ_L = particle mobility at low frequency applied electric field.

and μ_H = particle mobility at high frequency applied electric field.

$$d) f'(\mu) = f_H (\mu + \mu_E)$$

where $f'(\mu)$ is the corrected form of the particle mobility distribution function.

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FIG. 12A

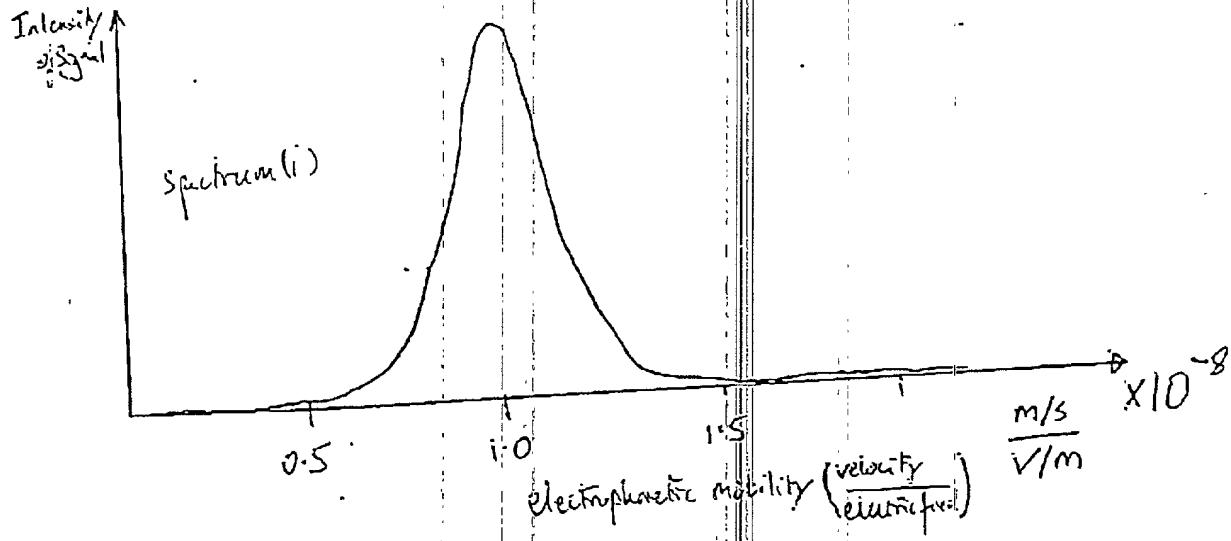
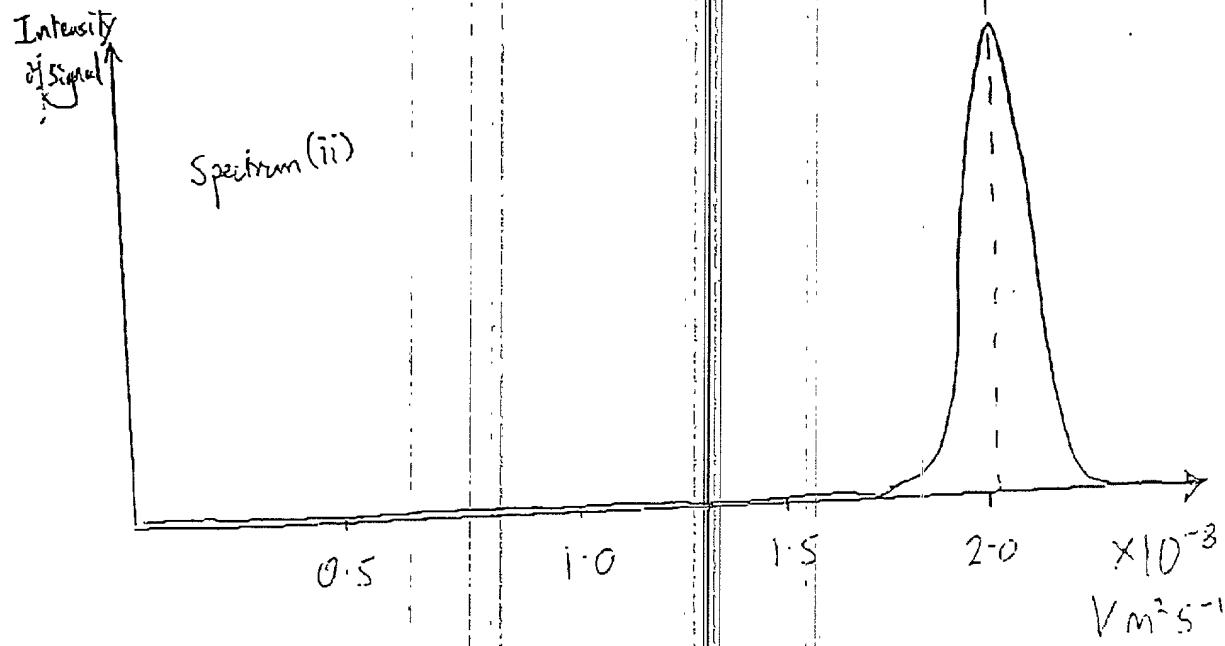


FIG. 12B



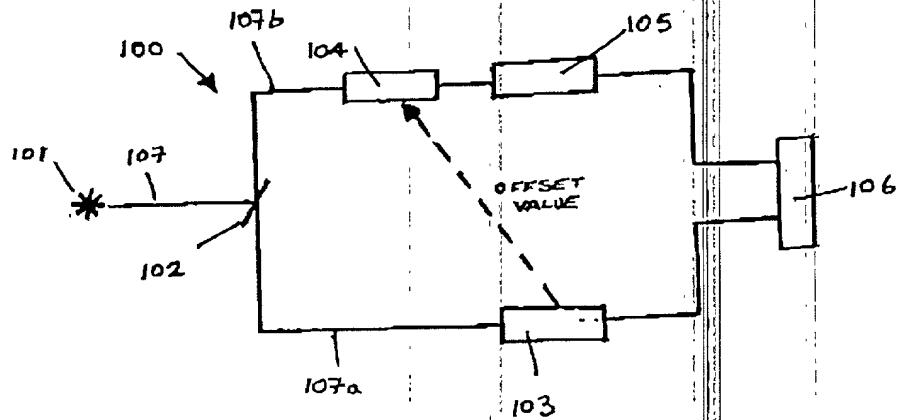


Figure 9

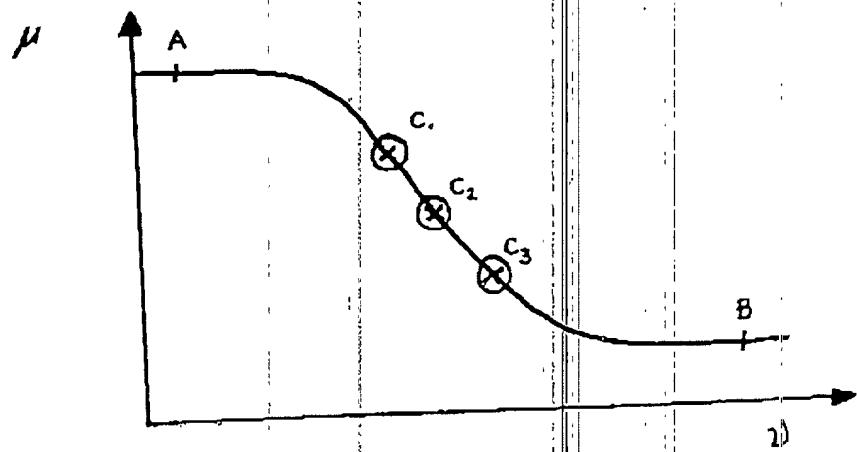


Figure 13

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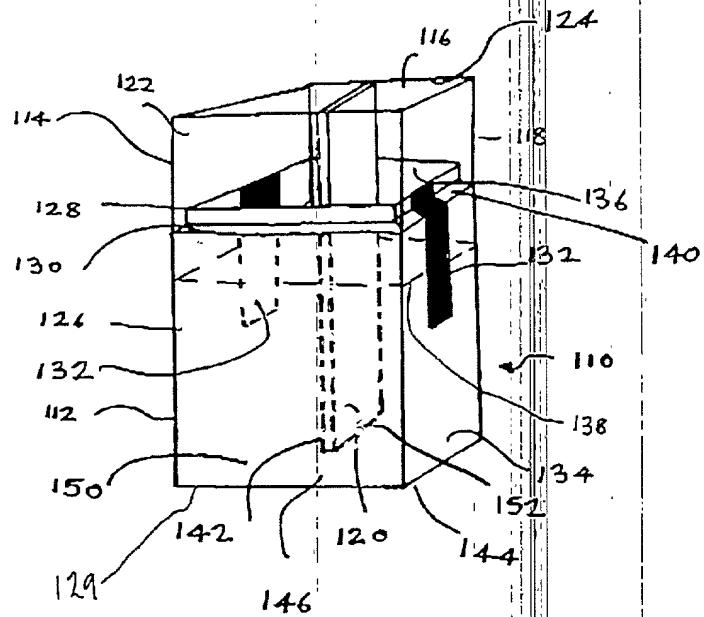


Figure 14

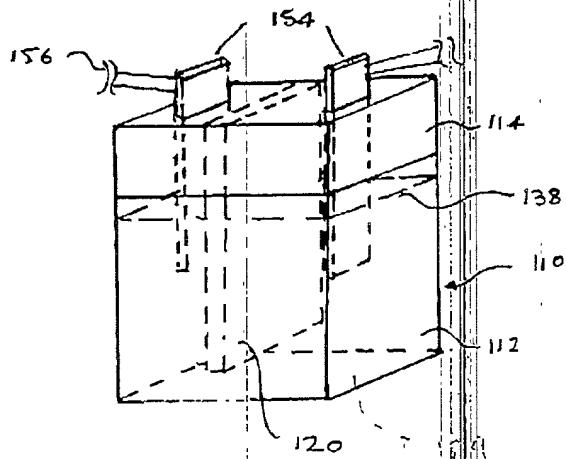


Figure 15

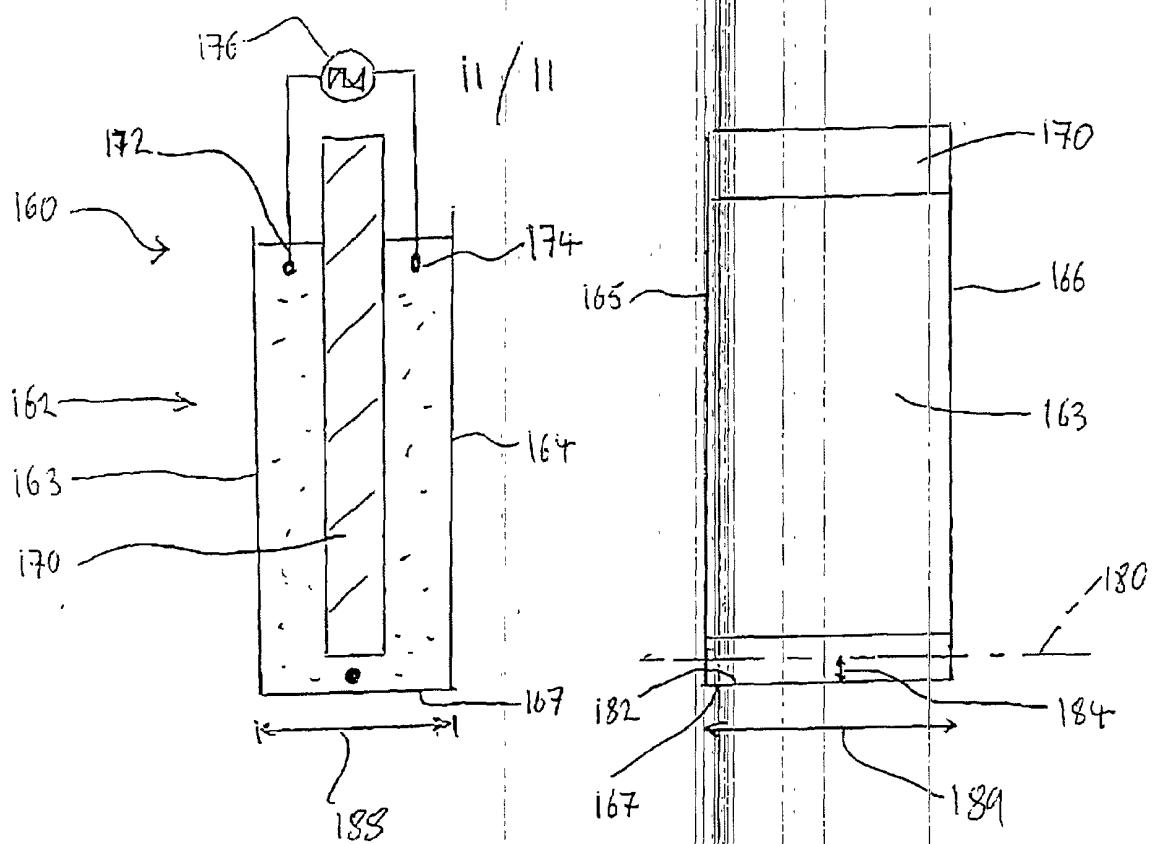


FIG. 16A

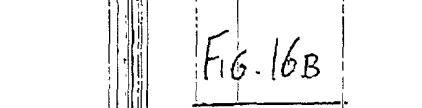


FIG. 16B